

## ALIGNMENTS

## RESULT 1

US-09-146-053-4/c  
; Sequence 4, Application US/09146053A  
; Patent No. 6399349  
; GENERAL INFORMATION:  
; APPLICANT: Ryan, James W.  
; APPLICANT: Sprinkle, Terry Joe Curtis  
; APPLICANT: Venema, Richard C.  
; TITLE OF INVENTION: Human Aminopeptidase P Gene  
; FILE REFERENCE: MCG103  
; CURRENT APPLICATION NUMBER: US/09/146,053A  
; EARLIER FILING DATE: 1998-09-02  
; EARLIER APPLICATION NUMBER: 60/057,854  
; EARLIER FILING DATE: 1997-09-02  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-146-053-4

Query Match 100.0%; Score 467; DB 4; Length 50000;  
Best Local Similarity 100.0%; Pred. No. 3.1e-223;  
Matches 467; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1518 CAATGTTGCTGCTATCCACCTCCCAAGCCCTTTACCTATGCTGCTGCTACGCTGCTG 1459
QY 61 CTGCTGCTGCTGCTGCTTAAGGCTCATGCTTTGGAGTGGGACTGGTGGTCCCGAGAAA 120
DB 1458 CTGCTGCTGCTGCTGCTTAAGGCTCATGCTTTGGAGTGGGACTGGTGGTCCCGAGAAA 1399
QY 121 GTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
DB 1398 GTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1339
QY 181 TGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
DB 1338 TGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1279
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QY 301 GGCTAGGGGGGCTGCTTATTTAAAGTGGTGTGTTATGATCTTATGATCTTATGATCTT 360
DB 1218 GGCTAGGGGGGCTGCTTATTTAAAGTGGTGTGTTATGATCTTATGATCTTATGATCTT 1159
QY 361 AGATATTAAGGCTGCTGCTTCAATTAAGAAATGTTCCCTCCCTGCTGCTGCTGCTGCTG 420
DB 1158 AGATATTAAGGCTGCTGCTTCAATTAAGAAATGTTCCCTCCCTGCTGCTGCTGCTGCTG 1099
QY 421 AGATGCTTCTGCTGCTGCTGCTTATTAATAAGAGAGAGAGAGAGAGAGAGAGAGAG 467
DB 1098 AGATGCTTCTGCTGCTGCTGCTTATTAATAAGAGAGAGAGAGAGAGAGAGAGAGAG 1052
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## RESULT 2

US-08-863-639A-31/c  
; Sequence 31, Application US/08863639A  
; Patent No. 5981185  
; GENERAL INFORMATION:  
; APPLICANT: Matson, Robert S.  
; APPLICANT: Coassin, Peter J.  
; APPLICANT: Rampal, Jang B.  
; APPLICANT: Rekey, C. T.

APPENDIX A

TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS  
NUMBER OF SEQUENCES: 95  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheldon & Mak  
STREET: 225 South Lake Avenue, 9th Floor  
CITY: Pasadena  
STATE: CA  
COUNTRY: USA  
ZIP: 91101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage  
COMPUTER: IBM compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: Corel WordPerfect 8 version  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/863,639A  
FILING DATE: May 28, 1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Joseph E. Mueth  
REGISTRATION NUMBER: 20,532  
REFERENCE/DOCKET NUMBER: 11859-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (626) 796-4000  
TELEFAX: (626) 795-6321  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: Other nucleic acid  
US-08-863-639A-31

Query Match 5.4%; Score 25; DB 2; Length 36;  
Best Local Similarity 100.0%; Pred. No. 0.0046;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 CGCTGCTGCTGCTGCTGCTGCTGCTGCT 77  
DB 27 CGCTGCTGCTGCTGCTGCTGCTGCT 3

RESULT 3  
US-09-091-952A-15  
; Sequence 15, Application US/09091952A  
; Patent No. 6458532  
; GENERAL INFORMATION:  
; APPLICANT: Detera-Wadleigh, Sevilla D.  
; APPLICANT: Gershon, Elliot S.  
; APPLICANT: Badner, Judith A.  
; APPLICANT: Goldin, Lynn R.  
; APPLICANT: Berrettini, Wade H.  
; APPLICANT: Yoshikawa, Takao  
; APPLICANT: Sanders, Alan R.  
; APPLICANT: Esterling, Lisa E.  
TITLE OF INVENTION: Chromosomal Markers and Diagnostic Tests for Manic-Depressive Illness  
NUMBER OF SEQUENCES: 197  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/091,952A

Db 1381 TCTCCCCATATGCAATTGCTTAATGTAAACCTCTCTTTGGCCATGTTTCCATTCGTGCCA 1440  
Qy 1441 TCTTGAATTGCTTGTGTCAGCCCAATTCATTATCTATTAAACACTAATTGAG 1491  
Db 1441 TCTTGAATTGCTTGTGTCAGCCCAATTCATTATCTATTAAACACTAATTGAG 1491

Search completed: March 20, 2004, 18:14:16  
Job time : 6059.8 secs